

**AMENDMENTS TO THE SPECIFICATION**

1. Please replace paragraph [0070] of US Patent Application Publication No. 2005-0175190 A1 (US Application No. 10/775,371) with the following amended paragraph:

[0070] One clear advantage of this embodiment is that by knowing a precise frequency-domain compensation gain for each preamplifier 330, software drivers associated with audio processing software residing on the external computing device 290 can then easily compensate for phase response mismatches across all preamplifiers. Without compensation, such mismatches would reduce the performance of certain audio processing applications. For example, the performance of conventional beamforming or sound source localization (SSL) digital signal processing software, which combines all microphone signals to provide a relatively narrow capture direction selectivity, will be significantly improved by compensating for the precise phase response of each preamplifier 330. Note that the self calibration system 345 for the self-descriptive microphone array 300 is described in further detail in a copending patent application entitled "ANALOG PREAMPLIFIER MEASUREMENT FOR A MICROPHONE ARRAY," having a filing date of Feb. 4, 2004, and assigned Application Serial Number 10/772,528 ~~TBD~~, the subject matter of which is incorporated herein by this reference.